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DEPARTMENT OF THE ARMY

JUSTIFICATION OF ESTIMATES FOR AMENDED FY 1992/FY 1993 BIENNIAL BUDGET

SUBMITTED TO CONGRESS

JANUARY 1992



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AIRCRAFT PROCUREMENT, ARMY

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DEPARTMENT OF THE ARMY
Office of the Assistant Secretary of the Army
(Financial Management)



DEPARTMENT OF THE ARMY
AIRCRAFT PROCUREMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR AMENDED FISCAL YEARS 1992/1993 BIENNIAL BUDGET

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AIRCRAFT PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Appropriation Language
Program and Financing Schedule

APPROPRIATION LANGUAGE

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, ground handling equipment, spare parts, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes; \$1,291,259,000, to remain available for obligation until September 30, 1995, of which \$435,522,000 shall be available for the Army National Guard and Army Reserve.

Aircraft Procurement, Army
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Aircraft	369,911	935,396	712,886	641,964	759,040	683,294
00.0201	Modification of aircraft	599,973	862,953	296,888	730,253	898,823	459,972
00.0301	Spares and repair parts	9,860		101,012	31,506	17,885	84,982
00.0401	Support equipment and facilities	267,868	163,856	180,473	187,722	184,217	254,687
00.9101	Total direct program	1,247,612	1,962,205	1,291,259	1,591,445	1,859,965	1,482,935
01.0101	Reimbursable program	11,545	20,900	22,000	8,294	29,270	22,000
10.0001	Total	1,259,157	1,983,105	1,313,259	1,599,739	1,889,235	1,504,935
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-10,134	-7,096	-8,196	-10,228	-7,096	-8,196
13.0001	Trust funds(-)	-1,411	-13,311	-13,311	626	-13,311	-13,311
14.0001	Non-Federal sources(-)		-493	-493	162	-493	-493
17.0001	Recovery of prior year obligations				-55,141		
21.4002	Unobligated balance available, start of year:						
21.4003	For completion of prior year budget plans	-15,300			-847,727	-558,768	-652,638
21.4009	Available to finance new budget plans	-1,413			-15,300		
24.4002	Reprogramming from/to prior year budget plan						
25.0001	Unobligated balance available, end of year:						
25.0001	For completion of prior year budget plans	1,413			558,768	652,638	460,962
25.0001	Unobligated balance expiring				1,413		
39.0001	Budget authority	1,232,312	1,962,205	1,291,259	1,232,312	1,962,205	1,291,259
Budget authority:							
40.0001	Appropriation	1,095,787	1,692,800	1,291,259	1,095,787	1,692,800	1,291,259
40.3601	Appropriation rescinded (unob bal)	-15,300			-15,300		
40.7503	Reduction pursuant to P.L.102-172 (-)		-1,395			-1,395	
41.0001	Transferred to other accounts (-)	-5,000			-5,000		
42.0001	Transferred from other accounts	156,825	270,800		156,825	270,800	
43.0001	Appropriation (adjusted)	1,232,312	1,962,205	1,291,259	1,232,312	1,962,205	1,291,259

Aircraft Procurement, Army
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations		
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Relation of obligations to outlays:							
71.0001	Obligations incurred				1,590,299	1,868,335	1,482,935
72.4001	Obligated balance, start of year				4,790,403	3,437,545	3,167,415
74.4001	Obligated balance, end of year				-3,437,545	-3,167,415	-2,721,313
77.0001	Adjustments in expired accounts (net)				-48,331		
78.0001	Adjustments in unexpired accounts				-55,141		
90.0001	Outlays (net)				2,839,685	2,138,465	1,929,037

Aircraft Procurement, Army
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2031-0-1-051	1991 actual	1992 est.	1993 est.
Direct obligations:				
Other services:				
125.004	Other	893,170	237,014	165,579
126.001	Supplies and materials	27,909	246,777	172,400
131.001	Equipment	670,366	1,376,174	1,144,956
199.001	Total Direct obligations	1,591,445	1,859,965	1,482,935
Reimbursable obligations:				
Other services:				
225.004	Other	4,655	9,369	9,369
226.001	Supplies and materials	145		9,755
231.001	Equipment	3,494	19,901	2,876
299.001	Total Reimbursable obligations	8,294	29,270	22,000
999.901	Total obligations	1,599,739	1,889,235	1,504,935

Aircraft Procurement, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Aircraft				71,740		
00.0201	Modification of aircraft				46,887		
00.0301	Spares and repair parts				9,887		
00.0401	Support equipment and facilities				15,932		
00.9101	Total direct program				144,446		
01.0101	Reimbursable program				580		
10.0001	Total				145,026		
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)				151		
13.0001	Trust funds(-)				1,343		
17.0001	Recovery of prior year obligations				-18,945		
21.4002	Unobligated balance available, start of year:						
21.4009	For completion of prior year budget plans				-128,988		
25.0001	Reprogramming from/to prior year budget plan	-1,413					
	Unobligated balance expiring	1,413			1,413		
39.0001	Budget authority						

Aircraft Procurement, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1990

		Budget Plan (amounts for PROCUREMENT actions programed)				Obligations	
Identification code		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Aircraft				274,699	25,353	
00.0201	Modification of aircraft				252,916	131,502	
00.0301	Spares and repair parts				21,619	10,045	
00.0401	Support equipment and facilities				26,727	6,924	
00.9101	Total direct program				575,961	173,824	
01.0101	Reimbursable program				1,528	3,011	
10.0001	Total				577,489	176,835	
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)				-245		
13.0001	Trust funds(-)				694		
14.0001	Non-Federal sources(-)				162		
17.0001	Recovery of prior year obligations				-36,196		
21.4002	Unobligated balance available, start of year:						
	For completion of prior year budget plans				-718,739	-176,835	
21.4003	Available to finance new budget plans	-15,300			-15,300		
24.4002	Unobligated balance available, end of year:						
	For completion of prior year budget plans				176,835		
40.3601	Budget authority (Appropriation rescinded) (-15,300			-15,300		

Aircraft Procurement, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Aircraft	369,911			295,525	28,191	46,195
00.0201	Modification of aircraft	599,973			430,450	46,601	122,922
00.0301	Spares and repair parts	9,860				7,840	2,020
00.0401	Support equipment and facilities	267,868			145,063	37,925	84,880
00.9101	Total direct program	1,247,612			871,038	120,557	256,017
01.0101	Reimbursable program	11,545			6,186	5,359	
10.0001	Total	1,259,157			877,224	125,916	256,017
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-10,134			-10,134		
13.0001	Trust funds(-)	-1,411			-1,411		
21.4002	Unobligated balance available, start of year: For completion of prior year budget plans					-381,933	-256,017
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans				381,933	256,017	
39.0001	Budget authority	1,247,612			1,247,612		
Budget authority:							
40.0001	Appropriation	1,095,787			1,095,787		
41.0001	Transferred to other accounts (-)	-5,000			-5,000		
42.0001	Transferred from other accounts	156,825			156,825		
43.0001	Appropriation (adjusted)	1,247,612			1,247,612		

Aircraft Procurement, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

Identification code	21-2031-0-1-051	Budget plan (amounts for PROCUREMENT actions programed)			Obligations		
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Aircraft		935,396			705,496	97,673
00.0201	Modification of aircraft		862,953			720,720	84,587
00.0401	Support equipment and facilities		163,856			139,368	16,051
00.9101	Total direct program		1,962,205			1,565,584	198,311
01.0101	Reimbursable program		20,900			20,900	
10.0001	Total		1,983,105			1,586,484	198,311
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)		-7,096			-7,096	
13.0001	Trust funds(-)		-13,311			-13,311	
14.0001	Non-Federal sources(-)		-493			-493	
21.4002	Unobligated balance available, start of year: For completion of prior year budget plans						-396,621
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans					396,621	198,310
39.0001	Budget authority		1,962,205			1,962,205	
Budget authority:							
40.0001	Appropriation		1,692,800			1,692,800	
40.7503	Reduction pursuant to P.L.102-172 (-)		-1,395			-1,395	
42.0001	Transferred from other accounts		270,800			270,800	
43.0001	Appropriation (adjusted)		1,962,205			1,962,205	

Aircraft Procurement, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1993

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0101	Aircraft			712,886			539,426
00.0201	Modification of aircraft			296,888			252,463
00.0301	Spares and repair parts			101,012			82,962
00.0401	Support equipment and facilities			180,473			153,756
00.9101	Total direct program			1,291,259			1,028,607
01.0101	Reimbursable program			22,000			22,000
10.0001	Total			1,313,259			1,050,607
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)			-8,196			-8,196
13.0001	Trust funds(-)			-13,311			-13,311
14.0001	Non-Federal sources(-)			-493			-493
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans						262,652
40.0001	Budget authority (Appropriation)			1,291,259			1,291,259

Aircraft Procurement, Army
(Rescission Proposal)
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-2031-5-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)		Obligations			
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0201	Modification of aircraft		-133,000			-106,400	-13,300
10.0001	Total		-133,000			-106,400	-13,300
Financing:							
Unobligated balance available, start of year:							
21.4002	For completion of prior year budget plans						26,600
Unobligated balance available, end of year:							
24.4002	For completion of prior year budget plans					-26,600	-13,300
40.3001	Budget authority (Appropriation rescission p		-133,000			-133,000	
Relation of obligations to outlays:							
71.0001	Obligations incurred					-106,400	-13,300
72.4001	Obligated balance, start of year					91,770	-91,770
74.4001	Obligated balance, end of year						47,880
90.0001	Outlays (net)					-14,630	-57,190

Aircraft Procurement, Army
(Rescission Proposal)
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2031-5-1-051	1991 actual	1992 est.	1993 est.
Direct obligations:				
131.001 Equipment			-106,400	-13,300
199.001 Total Direct obligations			-106,400	-13,300
999.901 Total obligations			-106,400	-13,300

Aircraft Procurement, Army
(Rescission Proposal)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

Identification code	21-2031-5-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations		
		1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Program by activities:							
Direct program:							
00.0201	Modification of aircraft		-133,000			-106,400	-13,300
10.0001	Total		-133,000			-106,400	-13,300
Financing:							
Unobligated balance available, start of year:							
21.4002	For completion of prior year budget plans						26,600
Unobligated balance available, end of year:							
24.4002	For completion of prior year budget plans					-26,600	-13,300
40.3001	Budget authority (Appropriation rescission p		-133,000			-133,000	

AIRCRAFT PROCUREMENT, ARMY

Section 2

Budget Activity Justification

Activity 1 - Aircraft

Activity 2 - Modifications of Aircraft

Activity 3 - Spares and Repair Parts

Activity 4 - Support Equipment and Facilities

Department of the Army	Appropriation:				Amended	FY 1993
Annual Budget Estimates	AIRCRAFT PROCUREMENT, ARMY					BUDGET
JUSTIFICATION						
Program or Budget Project Account	(THOUSANDS OF DOLLARS)					
Activity 1 - Aircraft	Initial		Amended			
	Actual	Estimate	Change	Estimate		
	FY 1991	FY 1992	FY 1993	FY 1993	FY 1993	
Direct Budget Plan	\$369,911	\$935,396	\$680,520	\$32,366	\$712,886	

Section 1 - PURPOSE AND SCOPE

Provides for procurement and manufacture of airplanes, helicopters, and associated aircraft armament, flight simulators, training devices, and avionics equipment.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Guardrail Common Sensor - (P-1 Line Item No. 2):

(\$ in Thousands)
 FY 1992 FY 1993
 \$195,806 \$111,927

The FY 1993 request will procure five additional RC-12K aircraft and the related mission equipment. This system, GUARDRAIL Common Sensor, provides full Signal Intelligence support, including Electronic and Communication Intelligence at the Corps level.

Tractor Hall - (P-1 Line Item No. 3):

(\$ in Thousands)
 FY 1992 FY 1993
 \$ 299 \$ 197

These funds are requested for a classified program. Program description provided separately.

Total Package Fielding - (P-1 Line Item No. 4):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 1,442	\$ 1,185

The FY 1993 request is for initial support equipment which is packaged with equipment and end items prior to delivery of equipment to Army units.

AH-64 Attack Helicopter (Apache) - (P-1 Line Item No. 5):

(\$ in Thousands)	
FY 1992	FY 1993
\$206,871	\$147,763

The APACHE is a twin-engine, two-place, fully integrated anti-armor weapon system capable of destroying tanks and other armored vehicles under day, night and adverse weather conditions. The aircraft employs the HELLFIRE anti-tank missile, Hydra 70 rockets, and 30mm gun. Target acquisition is accomplished by the Target Acquisition and Designation Sight (TADS) which enables extremely accurate fire with a high first round hit probability. Night navigation is provided by the Pilot Night Vision Sensor (PNVS). The funds requested in FY 1993 include \$103.1 million for contractor management and engineering costs associated with supporting production deliveries for already-procured aircraft; \$19.8 million for Total Package Fielding, New Equipment Training, First Destination Transportation, Contractor Field Service Representatives, \$4.0 million for PM salaries and related costs; and \$20.9 million for one Combat Mission Simulator.

UH-60 Black Hawk - (P-1 Line Item No. 6 and 7):

(\$ in Thousands)	
FY 1992	FY 1993
\$507,478	\$406,929

The UH-60 is planned for continued procurement on a multiyear contract in FY 1992-1996, at a rate of 60 per year, for a total of 300 UH-60L's. This contract will begin in FY 1992 with procurement of 60 UH-60L helicopters. The funds in FY 1993 (including \$154.5 million advance procurement) procures 60 additional UH-60L helicopters. The BLACKHAWK is the Army's primary utility helicopter with over 1100 aircraft procured through 1991. The UH-60 was the Army's first true squad carrying utility helicopter and is fully capable of operating in the modern battlefield. It has enhanced tactical mobility with increased speed, lift capability, range, reliability, availability, maintainability, and survivability.

Helicopter New Training - (P-1 Line Item No. 8):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 23,500	\$ 44,885

The New Training Helicopter (NTH) is a Non-Developmental Item (NDI) commercial helicopter purchase to be used in primary, instrument, and navigation training of entry level rotary wing aviators. The NTH will reduce the cost of core entry level training by replacing the currently used UH-1 with a more cost effective commercial helicopter. The FY 1993 request will procure 70 systems.

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation: AIRCRAFT PROCUREMENT, ARMY			Amended FY 1993 BUDGET
	(THOUSANDS OF DOLLARS)			
	Actual FY 1991	Estimate FY 1992	Initial Estimate FY 1993 Change Estimate FY 1993	
Program or Budget Project Account Activity 2 - Modifications of Aircraft				
Direct Budget Plan	\$599,973	\$729,953	\$326,863 (\$29,975)	\$296,888

Section 1 - PURPOSE AND SCOPE

Provides for modifications of items and upgrade of equipment procured by the Aircraft Procurement, Army appropriation, including modification kits and installation of kits.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Tractor Dev - (P-1 Line Item No. 10):

	(\$ in Thousands)
	FY 1992 FY 1993
	\$ 200 \$ 196

These funds are requested for a classified program. Program description is provided separately.

Guardrail Mods - (P-1 Line Item No. 12):

	(\$ in Thousands)
	FY 1992 FY 1993
	\$ 26,036 \$ 92,991

These funds are requested to procure mission equipment and ground support equipment to upgrade GUARDRAIL aircraft procured in previous years.

AH-1S Mods - (P-1 Line Item No. 14):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 3,445	\$ 3,519

These funds are requested to continue modifications to the AH-1 COBRA fleet which will improve reliability, safety and capability, and extend the life and increase operational readiness. FY 1993 funds will provide for the Inflatable Body and Head Restraint System (IBAHRS), improvements to the Stability Control Augmentation System (SCAS) roll channel, and the Global Positioning System (GPS).

AH-64 Mods - (P-1 Line Item No. 15):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 82,771	\$ 49,139

FY 1993 funds are requested to perform modifications to the AH-64 APACHE helicopter, including Avionics Integration/Global Positioning System; procurement of laser protective visors and installation of modifications; and Reliability, Availability and Maintainability (RAM)/Service Life Extension Program (SLEP) improvements.

CH-47 Cargo Helicopter (Mods) - (P-1 Line Item No. 16):

(\$ in Thousands)	
FY 1992	FY 1993
\$283,877	\$ 15,014

These funds are requested to continue the modernization program which upgrades CH-47 A and C models to the D configuration. These advances in design technology improve reliability and maintainability, reduce vulnerability, and increase life expectancy of each aircraft 20 years. The CH-47 is the Army's only active medium lift helicopter and is a key element in the Rapid Deployment Force. Operating at a rate of 48 aircraft per year, the total modernization program of 472 aircraft will be completed with a three year multi-year contract in FY 1990-1992. FY 1993 dollars are requested for safety modification applications and sustainment of the CH-47 aircraft.

0H-58 Mods - (P-1 Line Item No. 18):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 21,934	\$ 3,738

These funds are requested to continue safety and operational enhancements to the current fleet. FY 1993 funds provide for engine upgrades and Air-to-Air Stinger (ATAS) fielding.

C-23 Mods - (P-1 Item No. 19):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 8,000	\$ 0

The FY 1992 funds were appropriated to upgrade eight C-23A aircraft for improved reliability and performance.

Flight Data Recorder - (P-1 Line Item No. 20):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 499	\$ 9,738

FY 1993 funds are requested to provide for field retrofit of the CH-47D and UH-60A/L with a flight data recorder with crash survivable memory unit for accident investigation.

External Fuel Tanks (UH-1) - (P-1 Line Item No. 21):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 5,000	\$ 0

FY 1992 funds were appropriated to procure approximately 22 kits of external fuel tanks for National Guard UH-1 aircraft. These aircraft are involved in counter-narcotics, search and rescue, and medical evacuation missions that require extended range or endurance.

UH-1 Mods - (P-1 Line Item No. 22):

(\$ in Thousands)
FY 1992 FY 1993
\$ 9,166 \$ 5,214

FY 1993 funds are requested to upgrade UH-1 flight simulators and continue safety and sustainment modifications to the UH-1 aircraft that will not be retired. The flight simulators are used as the Army's instrument trainers in addition to UH-1 simulator. The existing flight simulator computer hardware is not supportable due to its age and must be replaced. Aircraft modifications include the Improved Particle Separator, Fine Oil Filtration and Burn-Off Chip Detector, Improved Night Vision Lighting, and Single Channel Ground and Airborne Radio Systems (SINGGARS).

UH-60 Mods - (P-1 Line Item No. 23):

(\$ in Thousands)
FY 1992 FY 1993
\$ 34,837 \$ 12,662

FY 1993 funds are requested for continuation of various significant modifications to the fielded UH-60 helicopters. In FY 1993, the primary efforts will be the Hover Infrared Suppressor System (HIRSS), SINGGARS, Aviation Night Vision/Heads-Up Display (ANVIS/HUD), Voice Altitude Warning System, and Improved Night Vision Lighting. These requirements are needed to improve the survivability of the UH-60 on the current battlefield and to increase mission capability and mobility.

Armed OH-58D - (P-1 Line Item No. 24):

(\$ in Thousands)
FY 1992 FY 1993
\$228,844 \$ 96,157

Funds requested in FY 1993 will provide for the retrofit of 38 OH-58D helicopters to an armed OH-58D configuration.

EH-60 Helicopter Mods - (P-1 Line Item No. 25):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 6,299	\$ 393

Funding provides for materiel changes to the EH-60 Quick Fix helicopter, a heliborne HF/VHF/UHF communications intercept, processing, direction finding, and jamming system. FY 1993 funds provide for replacement of AN/ARC-186 radios with SINGARS (AN/ARC-201) and installation of the standard Black Hawk Extended Range Fuel System.

Airborne Avionics - (P-1 Line Item No. 26):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 0	\$ 986

Funds requested in FY 1993 are to continue modifications to aircraft cockpits and internal lighting configurations to ensure compatibility with AN/AVS-6 Aviator Night Vision Imaging System.

ASE Mods - (P-1 Line Item No. 27):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 19,045	\$ 7,141

These funds are requested to continue modifications for aircraft survivability equipment to meet current, new and emerging threats. The 1993 request includes night vision goggles, combat lighting and continues modifications to the AN/APR-39A(V)1 with the new Spiral Antenna Assembly.

Department of the Army		Appropriation:		Amended FY 1993	
Annual Budget Estimates		AIRCRAFT PROCUREMENT, ARMY		BUDGET	
JUSTIFICATION					
Program or Budget Project Account		(THOUSANDS OF DOLLARS)			
Activity 3 - Spares and Repair Parts		Initial		Amended	
		Actual	Estimate	Change	Estimate
		FY 1991	FY 1992	FY 1993	FY 1993
Direct Budget Plan		\$ 9,860	\$ 0	\$ 44,682	\$ 56,330
					\$101,012

Section 1 - PURPOSE AND SCOPE

Provides for procurement of spares and repair parts in support of new or modified systems.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Spare Parts (Air) - (P-1 Line Item No. 30):

(\$ in Thousands)
 FY 1992 FY 1993
 \$ 0 \$101,012

An approved initiative of the Army Management Review was to finance the purchase of all depot level repairable (DLRs) secondary items through the Army Stock Fund (ASF) beginning in FY 1991 with full implementation in FY 1993. DLR war reserve funding was transferred to the ASF war reserve account in FY 1991. The funds requested for FY 1993 will purchase initial support DLRs from the ASF. Initial support DLR funding procures spares and repair parts for the initial fielding of new or modified systems to include engines and engine modules. The FY 1993 funds will procure initial support DLRs for the following aircraft end items that will be fielded in FY 1993:

Program	(\$ Millions)	
ASE	.5	ANVIS
AH-64	22.5	HELLFIRE
UH-60	21.3	AVIONICS
RC-12D	12.1	TRACTOR FIX
CH-47D	20.7	EH-60
AHIP	9.4	
		TOTAL INITIAL SPARES
		101.0

Department of the Army		Appropriation:		Amended FY 1993	
Annual Budget Estimates		AIRCRAFT PROCUREMENT, ARMY		BUDGET	
JUSTIFICATION					
Program or Budget Project Account		(THOUSANDS OF DOLLARS)			
Activity 4 - Support Equipment and Facilities		Initial		Amended	
		Estimate	Estimate	Change	Estimate
		FY 1992	FY 1993	FY 1993	FY 1993
Direct Budget Plan		\$163,856	\$195,335	(\$ 14,862)	\$180,473

Section 1 - PURPOSE AND SCOPE

Provides for aircraft survivability equipment, avionics support equipment, common ground equipment (including tool sets, shop sets and components thereof), ground handling/servicing equipment, special test and diagnostic equipment, fixed base airfield support equipment (air traffic control), aviation life support equipment (ALSE), tactical air traffic control systems, airborne command and control consoles, industrial facilities (including provisions for industrial facilities, depot maintenance plant equipment, and value engineering), and 2.75 inch rocket launchers.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Aircraft Survivability Equipment (ASE) - (P-1 Line Item No. 1):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 49,134	\$ 75,154

Funding is required to continue procurement of Radar Warning Receivers, and to procure ASE Tactical Threat Array Simulators. The ASE program provides self-protection, both active and passive, against antiaircraft systems. It enables Army tactical aircraft to accomplish missions on the modern battlefield by enhancing aircraft and aircrew survivability.

Airborne Command and Control Consoles - (P-1 Line Item No. 32):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 5,989	\$ 6,815

Funding is requested for production and installation of AN/ASC-15B consoles. When mounted in the UH-60 Black Hawk Helicopter, the console functions as an airborne command post providing tactical voice/data communication in both secure and nonsecure modes. This program responds to real world needs of combat maneuver commanders by enabling the commander to remain mobile without sacrificing access to information products or jeopardizing continuity of operation due to command post relocation. This system also has the capability to call in Navy or Air Force close air support as well as relaying target information.

Avionics Support Equipment - (P-1 Line Item No. 33):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 27,057	\$ 33,722

Funding is requested to procure third generation Aviation Night Vision (ANVIS) goggles and ANVIS Heads-Up Display (HUD) which provide enhanced warfighting capability during night helicopter operations.

Common Ground Equipment - (P-1 Line Item No. 34):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 47,465	\$ 43,075

Funding is required to continue procurement of various items of aircraft support equipment, including Airfield Support Equipment; Aviation Life Support Equipment; Sets, Kits and Outfits; Aviation Ground Support Equipment; and the AN/PRC-112 Survival Radio.

Air Traffic Control - (P-1 Line Item No. 35):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 1,996	\$ 5,718

The FY 1993 request is for the Tactical Terminal Control System (TTCS) as part of a tri-service acquisition. The TTCS will ensure safety of flight in remote areas during combat operations.

Industrial Facilities - (P-1 Line Item No. 37):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 27,690	\$ 15,014

Funding is requested to support Army Aviation Program Industrial Facilities. The FY 1993 request includes funding for Rehabilitation and Provisioning of Industrial Facilities (\$5.0M), Depot Maintenance Plant Equipment (\$9.0M) and Value Engineering (\$1.0M).

2.75 inch Rocket Launchers - (P-1 Line Item No. 38):

(\$ in Thousands)	
FY 1992	FY 1993
\$ 4,525	\$ 975

Funding is requested for M260 and M261 Lightweight Rocket Launchers to be used on the AH-1 COBRA/TOW and AH-64 APACHE attack helicopters. These launchers are required in order to fire the new family of Hydra 70 rockets with remote set fuzing options.

AIRCRAFT PROCUREMENT, ARMY

Section 3

Comparison of Program Requirements and Financing

Comparison of FY 1992 program requirements as reflected in the FY 1992/1993 Biennial Budget with FY 1992 program requirements as shown in the Amended FY 1992/FY 1993 Biennial Budget.

Comparison of FY 1992 financing as reflected in the FY 1992/1993 Biennial Budget with FY 1992 financing as shown in the Amended FY 1992/1993 Biennial Budget.

Comparison of FY 1991 program requirements as reflected in the FY 1992/1993 Biennial Budget with FY 1991 program requirements as shown in the Amended FY 1992/FY 1993 Biennial Budget.

Comparison of FY 1991 financing as reflected in the FY 1992/1993 Biennial Budget with FY 1991 financing as shown in the Amended FY 1992/FY 1993 Biennial Budget.

COMPARISON OF FY 1992 PROGRAM REQUIREMENTS
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1992 PROGRAM REQUIREMENTS AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation Aircraft Procurement, Army	FY 1992		FY 1992	
	Requirements Per FY 92/93 Biennial Budget	Requirements Amended FY 92/93 Biennial Budget	Requirements Per Increase (+) Or Decrease (-)	
Activity 1 - Aircraft	847,091	935,396		88,305
Activity 2 - Modification of Aircraft	658,253	729,953		71,700
Activity 3 - Spares and Repair Parts				0
Activity 4 - Support Equipment and Facilities	<u>162,356</u>	<u>163,856</u>		<u>1,500</u>
TOTAL	1,667,700	1,829,205		161,505

EXPLANATION BY ACTIVITY

Activity 1 - Aircraft - The net increase resulted from Congressional adjustments to AH-64 Apache (\$-4,000), UH-60 Blackhawk (\$-83,400), Training Helicopter (\$+23,500), General Reduction P.L. 102-172 (\$-1,395) and FY 1992 Operation Desert Storm Supplemental for AH-64 Apache (\$+70,200) and UH-60 Blackhawk (\$+83,400).

Activity 2 - Modification of Aircraft - The net increase resulted from Congressional adjustments to C-23 Mods (\$+8,000), Armed OH-58D (AHIP) (\$+88,400), Mods under \$2.0M (\$-13,900), External Fuel Tanks (\$+5,000), and FY 1992 Operation Desert Storm Supplemental for CH-47 Mods (\$+27,000) and Armed OH-58D (\$+90,200). Includes an anticipated rescission (\$-133,000).

Activity 4 - Support Equipment and Facilities - The increase resulted from a Congressional adjustment to Aircraft Survivability Equipment (\$+1,500).

COMPARISON OF FY 1992 FINANCING
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1992 FINANCING AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
(In Thousands of Dollars)

Appropriation	FY 1992 Financing Per FY 92/93 Biennial Budget	FY 1992 Financing Per Amended FY 92/93 Biennial Budget	Increase (+) Or Decrease (-)
Aircraft Procurement, Army			
Program Requirements (Total)	1,678,100	1,983,105	305,005
Program Requirements (Service Account)	1,667,700	1,962,205	294,505
Program Requirements (Reimbursable)	10,400	20,900	10,500
Less:			
Anticipated Reimbursements	(10,400)	(20,900)	(10,500)
Anticipated Rescission		(133,000)	(133,000)

BUDGET AUTHORITY

Appropriation

1,667,700 1,829,205 161,505

EXPLANATION:

The reimbursable program (offsetting collections) increase resulted from changes in estimated customer requirements.

Anticipated rescission of \$133 million is reflected as reduction to available financing.

COMPARISON OF FY 1991 PROGRAM REQUIREMENTS
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1991 PROGRAM REQUIREMENTS AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation	FY 1991 Requirements Per FY 92/93 Biennial Budget	FY 1991 Requirements Per Amended FY 92/93 Biennial Budget	Increase (+) or Decrease (-)
Aircraft Procurement, Army			
Activity 1 - Aircraft	355,647	369,911	14,264
Activity 2 - Modification of Aircraft	477,428	599,973	122,545
Activity 3 - Spares and Repair Parts	0	9,860	9,860
Activity 4 - Support Equipment and Facilities	<u>262,712</u>	<u>267,868</u>	<u>5,156</u>
TOTAL	1,095,787	1,247,612	151,825

EXPLANATION BY ACTIVITY

Activity 1 - Aircraft - The net increase resulted from a Drug Interdiction reprogramming (\$+24,430) and net below threshold reprogrammings (\$-10,166).

Activity 2 - Modification of Aircraft - The net increase resulted from FY 1991 Operation Desert Shield/Desert Storm transfers (\$86,690), Drug Interdiction reprogrammings (\$+6,595), and net below threshold reprogrammings (\$29,260).

Activity 3 - Spares and Repair Parts - The increase resulted from an FY 1991 Operation Desert Shield/Desert Storm transfer (\$+9,860).

Activity 4 - Support Equipment and Facilities - The net increase resulted from FY 1991 Operation Desert Shield/Desert Storm transfers (\$+29,250), Omnibus reprogramming (\$-5,000), and net below threshold reprogrammings (\$-19,094).

COMPARISON OF FY 1991 FINANCING
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1991 FINANCING AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
(In Thousands of Dollars)

Appropriation	FY 1991 Financing Per FY 92/93 Biennial Budget	FY 1991 Financing Per Amended FY 92/93 Biennial Budget	Increase (+) or Decrease (-)
Aircraft Procurement, Army			
Program Requirements (Total)	1,129,787	1,259,157	129,370
Program Requirements (Service Account)	1,095,787	1,247,612	151,825
Program Requirements (Reimbursable)	34,000	11,545	(22,455)
Less:			
Anticipated Reimbursements	(34,000)	(11,545)	22,455
Unobligated Balance Available To Finance New Budget Plans	(15,300)	(15,300)	0
Reprogramming From/To Prior Year Budget Plans		(1,413)	(1,413)
Unobligated Balance Transferred From Other Accounts	(17,657)	0	17,657
Add:			
Unobligated Balance Transferred To Other Accounts	17,657	0	(17,657)
Unobligated Balance Lapsing		1,413	1,413

BUDGET AUTHORITY

Appropriation	1,080,487	1,232,312	151,825
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EXPLANATION:

The reimbursable program (offsetting collections) decrease resulted from customer requirements not materializing as anticipated.

The reprogramming from/to prior year budget plans resulted from lapsing unobligated balances.

The unobligated balance transferred from other accounts and unobligated balances transferred to other accounts resulted from Army's withdrawal of an Operation Desert Storm reprogramming.

COMPARISON OF FY 1991 PROGRAM REQUIREMENTS
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1991 PROGRAM REQUIREMENTS AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation Aircraft Procurement, Army Supplemental: Rescission Proposal	FY 1991		FY 1991 Requirements Per Amended FY 92/93 Biennial Budget	Increase (+) or Decrease (-)
	Requirements Per FY 92/93 Biennial Budget	Requirements Per Amended FY 92/93 Biennial Budget		
Activity 1 - Aircraft	(47,700)	0		47,700
TOTAL	(47,700)	0		47,700

EXPLANATION BY ACTIVITY

Activity 1 - Aircraft - The net increase resulted from a proposed FY 1991 rescission to the UH-60 Advance Procurement which did not materialize.

COMPARISON OF FY 1991 FINANCING
AS REFLECTED IN THE FY 1992/FY 1993 BIENNIAL BUDGET
WITH THE FY 1991 FINANCING AS
SHOWN IN THE AMENDED FY 1992/FY 1993 BIENNIAL BUDGET
(In Thousands of Dollars)

Appropriation	FY 1991 Financing Per FY 92/93 Biennial Budget	FY 1991 Financing Per Amended FY 92/93 Biennial Budget	Increase (+) or Decrease (-)
Aircraft Procurement, Army			
Supplemental: Rescission Proposal			
Program Requirements (Total)	(47,700)	0	47,700
Program Requirements (Service Account)	(47,700)	0	47,700
Program Requirements (Reimbursable)	0	0	0
Less:			
Anticipated Reimbursements	0	0	0

BUDGET AUTHORITY

Appropriation

(47,700)

47,700

EXPLANATION:

The appropriation increase resulted from a proposed rescission which did not materialize.

AIRCRAFT PROCUREMENT, VT, ARMY

Section 4

Status of Aircraft Modification Programs

FY 1990 Modification Programs

FY 1991 Modification Programs

Status of Aircraft Modification Programs

FY 1990 Modification Programs

Programs as of 30 November 1991 (\$ Millions)

<u>Program</u>	<u>Appropriated</u>	<u>Reprogramming</u>	<u>Total Program Value</u>	<u>Total Obligations</u>	<u>Total Disbursements</u>
OV-1 Mods	15.2	-15.0	.2	.2	-
Guardrail (RC-12) Mods	41.1	3.0	44.1	43.7	9.0
RU-21 Mods	1.5	-.1	1.4	1.4	.7
AH-1 Mods	5.8	4.6	10.4	10.4	4.9
AH-64 Mods	1.6	8.4	10.0	10.0	7.8
CH-47 Mods	178.8	10.0	188.8	188.8	181.2
OH-58 Mods	22.9	1.1	24.0	23.3	14.9
UH-1 Mods	9.5	-4.6	4.9	4.9	4.7
UH-60 Mods	40.5	9.8	50.3	46.2	17.2
Army Helicopter Improvement Program (AHIP/OH-58D)	192.5	2.8	195.3	191.5	93.3
C-20 Aircraft mods	0.0	2.0	2.0	-	-
ASE Mods	7.0	9.2	16.2	16.2	7.1
Aircraft 9WW	26.7	8.0	34.7	32.9	23.5
SOF Aircraft Mods	200.2	-	200.2	186.7	4.1
Tractor Heavy Mods	.8	-	.8	.8	.8

Status of Aircraft Modification Programs

FY 1991 Modification Programs

Programs as of 30 November 1991 (\$ Millions)

Program	Appropriated	Reprogramming	Total Program Value	Total Obligations	Total Disbursements
OV-1 Mods	.1	-	.1	.1	-
Guardrail (RC-12) Mods	31.6	9.4	41.0	40.9	5.1
RU-21 Mods	3.7	1.9	5.6	3.3	1.7
AH-1 Mods	3.0	2.2	5.2	2.7	.3
AH-64 Mods	47.4	-.9	46.5	20.1	5.0
CH-47 Mods	241.6	2.1	243.7	238.8	106.7
OH-58 Mods	7.8	-.9	6.9	4.9	.2
UH-1 Mods	10.2	-1.1	9.1	8.1	4.3
UH-60 Mods	131.8	-	131.8	31.2	1.1
Army Helicopter Improvement Program (AHIP/OH-58D)	19.0	9.4	28.4	14.6	.4
ASE Mods	11.5	10.0	21.5	12.6	-
Drug Interdiction (OH-6D)	6.6	-	6.6	3.0	1.0

AIRCRAFT PROCUREMENT, ARMY

Section 5

Flight Simulator Procurement Program

Exhibit PB-32E

Exhibit P-43

FLIGHT SIMULATOR DATA SHEET
FY 1992/1993 Program

Simulator Model: AH-64 Combat Mission Simulator

Aircraft System Supported: AH-64

Description of Simulator: The prototype AH-64 Combat Mission Simulator is designed to provide a training capability for flight and weapon delivery, normal and emergency procedures and sensor system operating tasks required in the operational design basis helicopter. The simulator consists of pilot and copilot/gunner trainee modules, instructor modules, motion subsystems, visual subsystems and a computer complex. The pilot and copilot/gunner trainee modules are replicas of the actual aircraft cockpits, and each is mounted on a six degree freedom-of-motion base. The visual subsystem approximates crew member video displays. Simulated imagery includes Forward Looking Infrared (FLIR), Day Television (DTV) and Direct View Optics (DVO). Pilot displays consist of the Integrated Helmet and Display Sight System Helmet Display Unit (IHADSS HDU) and a panel mounted Video Display Unit (VDU). Gunner displays include the IHADSS HDU, a target acquisition and designation sight Heads Down Display (HDD) and a TADS Heads Out Display (HOD). The simulator functions will be controlled from the instructor's station located behind each trainee module. The pilot and copilot/gunner will have the capability to train individually or may train as a team performing an integrated combat mission. One CMS will be procured in FY 1992 and one will be procured in FY 1993.

Development Status: Development of the CMS was completed in FY 1988 at a cost of approximately \$84.0 million.

<u>Funding Data:</u> (\$ in millions)	<u>FY 1990</u>	<u>FY 1991</u>	<u>FY 1992</u>	<u>FY 1993</u>
Quantity	0	0	1	1
Procurement (APA)	0	0	50.4	20.9
RDTE	0	0	0	0
Total	0	0	50.4	20.9

Basis for FY 1992/1993 Request: One CMS will be procured in FY 1993.

Contract Data: Contract dates for the FY 1993 procurements are November 1993, with deliveries projected for December 1995.

EXHIBIT PB-32E

FY 1992/1993 BUDGET ESTIMATES

FLIGHT SIMULATOR AND OTHER AIRCRAFT TRAINING EQUIPMENT

EXHIBIT P-43

(Dollars in Millions)

APPROPRIATION: Aircraft Procurement, Army

<u>Weapon System</u>	<u>Equipment Nomenclature</u>	<u>P-1 Line Item</u>	<u>FY 1990 Qty/Amount</u>	<u>FY 1991 Qty/Amount</u>	<u>FY 1992 Qty/Amount</u>	<u>FY 1993 Qty/Amount</u>
AH-64 (2B40) (SSN A09000)	CMS	5			1/50.4	1/20.9